

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
07 November 2024 (07.11.2024)



(10) International Publication Number
WO 2024/227816 A1

(51) International Patent Classification:
A47J 31/00 (2006.01) A47J 31/36 (2006.01)

(21) International Application Number:
PCT/EP2024/061982

(22) International Filing Date:
01 May 2024 (01.05.2024)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
23170896.7 01 May 2023 (01.05.2023) EP

(71) Applicant: SOCIÉTÉ DES PRODUITS NESTLÉ S.A.
[CH/CH]; Avenue Nestlé 55, 1800 Vevey (CH).

(72) Inventors: VIKY, Gaylord; 4, rue du moulin, 25370
SAINT-ANTOINE (FR). DUBEL, Mia; Ch. des Clairi-

eres 21, 1066 Epalinges (CH). FLICK, Jean-Marc; 3,
Rue de la Poste, 1405 POMY (CH). BLUNIER, Jean-
Daniel; Chemin des Rosiers 12, 1470 Estavayer-le-Lac
(CH). EPARS, Yann; 141, Ch. Des Marionnettes, 1093 La
Conversion (CH).

(74) Agent: DUCREUX, Marie; Avenue Nestlé 55, 1800 Vevey
(CH).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG,
KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY,
MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA,
NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO,
RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH,

(54) Title: METHOD FOR BREWING COFFEE

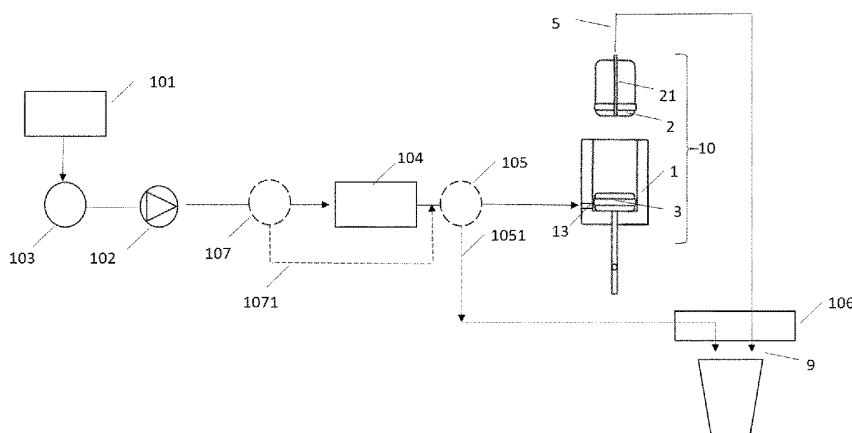


FIGURE 1

(57) Abstract: The invention concerns a method to prepare de filter coffee with a full automatic coffee machine (100) comprising : - a brewing chamber (1), an upper piston (2), a lower piston (3) movable inside said brewing chamber (1), wherein the brewing chamber and/or the upper piston are relatively movable between at least two different first and second closed positions configured for brewing roasted and ground coffee powder, wherein the first closed position is configured for compacting coffee during brewing and the second closed position defines the largest possible closed volume of the brewing chamber, - a water fluid system comprising at least a water supply (101) and a water pump (102) wherein said system is connected to the water inlet (13) of the coffee extraction unit, wherein the method comprises the steps of : - moving the chamber (1) and the upper piston (2) relatively one to the other to the second closed position defining the largest possible closed volume of the brewing chamber, then - supplying pumped water in pulses.

[Continued on next page]

TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS,
ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

Published:

- *with international search report (Art. 21(3))*
- *in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE*